

Amendments to the Specification:

Please amend the paragraph at page 15, line 16 to page 16, line 15 as follows:

Using load-sensing elements 100 of the exemplary embodiment of Figs. 6 and 7, however, a Wheatstone Bridge in accordance with Fig. 11 can be constructed. In this structure, there are two diametrically opposed pairs of load-sensing elements 100, and one load-sensing element 100 of each pair is are installed "upside down" with an orientation opposite to the other one of the pair. Accordingly, in comparison with the structure shown in Fig. 4 or Fig. 6, the load-sensing elements 100 are rotated such that strain gauges 120 40 (or 120) and an offset point 40 (or 152) are located on the underside, so that for the same load, a measurement signal with the opposite sign occurs, and the signal changes in the load-sensing elements or their strain gauges disposed in adjacent branches of the Wheatstone Bridge are added together. That is, respective opposite ones of the four strain gauges 120 are disposed to be deformed in opposite directions. As a result, it is sufficient to use four load-sensing elements 100, each with only one strain gauge 120. Thus, a fully electronic bridge

can be constructed using four load-sensing elements 100. Such a Wheatstone Bridge, with a load-dependent load-sensing element in each branch, produces a much stronger signal than a Wheatstone Bridge of the kind shown in Fig. 5.

Amendments to the Drawings:

Fig. 9 has been amended as indicated on the attached annotated sheet to show the strain gauge 120 located within each of the four load sensing elements 100, in accordance with the disclosure in the specification on page 16.

Attachment: Annotated Sheets Showing Changes
Replacement Sheet